## REMARKS/ARGUMENTS

Applicants respectfully acknowledge receipt and consideration of the Office Action mailed on December 15, 2005. Applicants note that there has yet to be a response to the request for correction of inventorship of the above patent application, filed on February 23, 2004. Accordingly, Applicants respectfully request receipt of a notice of acceptance of the change of inventorship in the above-entitled application.

Pending claims 1, 3, 5-14, 16-17, 20, 22-25, 27 and 29 stand rejected under 35 U.S.C. §102(e) over U.S. Patent No. 6,510,508 (Zuraski). Applicants respectfully traverse the rejection.

As to amended claim 1, Zuraski nowhere teaches a pipeline resource including entries that are selectably flushable on an address space basis. Instead, the flush filter of Zuraski, contended to be the pipeline resource, does not include entries that are selectively flushable. Nor does the TLB with which the flush filter is associated. Instead, as taught by Zuraski, the TLB is flushed in its entirety. Zuraski, col. 9, lns. 50-55. Thus claim 1 and its dependent claims are patentable.

As to amended claim 8, Zuraski nowhere teaches hashing an address space identifier with a portion of a value before storage of the value and the address space identifier. In this regard, the Office Action refers to col. 11, lns. 21-35 to contend that Zuraski teaches such hashing. However, neither this nor any other portion of Zuraski teaches the recited hashing. Instead, all that this portion of Zuraski teaches is that various fields are included in entries of a flush filter. Nowhere does Zuraski teach that any of these fields are hashed with an address space identifier, and certainly not prior to their storage in the flush filter of Zuraski. Accordingly, claim 8 and its dependent claims are patentable.

For similar reasons, independent claim 16 is patentable as Zuraski nowhere teaches a hashing engine to hash an address space identifier with a portion of a value to be stored in an entry. Accordingly, claim 16 and its dependent claims are patentable.

Claim 20 is patentable for similar reasons discussed above regarding claim 1, as Zuraski nowhere teaches flushing a portion of a pipeline resource having the same address space identifier. Instead, the entire TLB of Zuraski is flushed, without regard to address space identifier. Zuraski, col. 9, lns. 50-58; col. 11, lns. 9-16.

Dependent claim 25 is patentable for similar reasons as claim 8. Specifically, Zuraski fails to teach hashing an address space identifier with at least a portion of a data value to be

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stored with the address space identifier in an entry of a pipeline resource. Accordingly, claim 25 and its dependent claims are patentable.
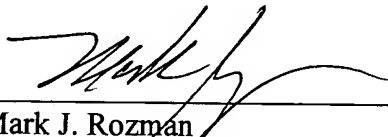
New dependent claims 30-33 are patentable for at least the same reasons as the independent claims from which they depend.

In view of these remarks, the application is now in condition for allowance and the Examiner's prompt action in accordance therewith is respectfully requested. The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 20-1504.

Respectfully submitted,

Date: 3/14/06

Mark J. Rozman
Registration No. 42,117
TROP, PRUNER & HU, P.C.
8554 Katy Freeway, Suite 100
Houston, Texas 77024-1805
(512) 418-9944 [Phone]
(713) 468-8883 [Fax]
Customer No.: 21906